

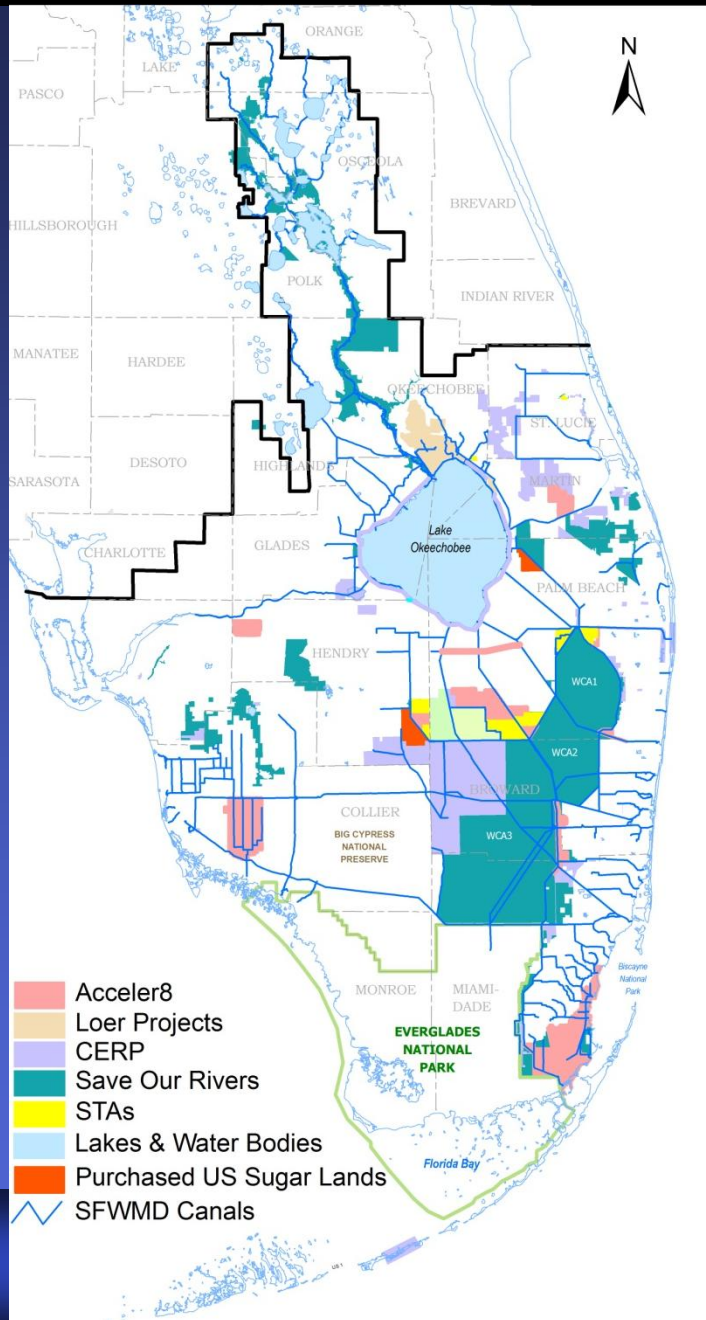
Contractual Services for Vegetation Management

***Item 32 . Aerial Application Services
and
Items 33-36 . Ground Application Services***



Vegetation Management

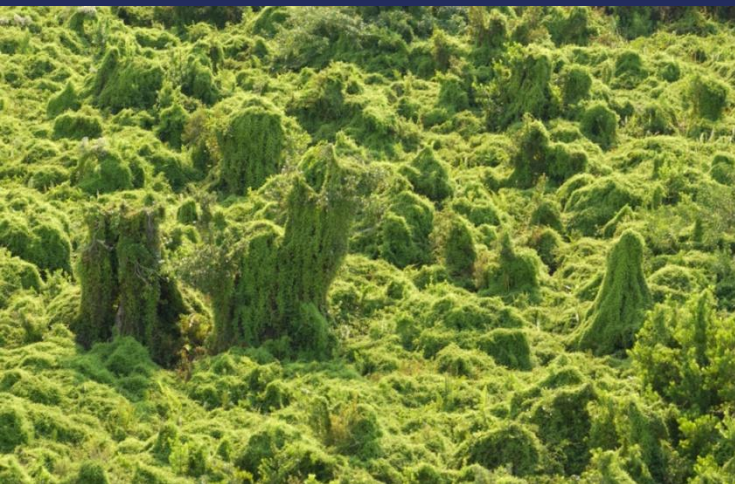
- **Manages invasive terrestrial and aquatic vegetation within District canals, lakes, and rights-of-way, of the C&FS Project and other Works of the District.**
- **Ensures conveyance capacity within canals and water bodies.**
- **Provides for the continued control of invasive plants on District Land.**
- **Maintenance is accomplished primarily through contracted aerial and ground application services.**



Area of Responsibility

- C&SF projects
 - Lakes ~ 608,000 acres
 - Canals ~1,600 miles
 - Levees/Berms 1,000 miles
- Conservation Land ~ 1.2 M acres
- STAs ~ 65,000 acres

Lygodium Invading Tree Islands



Luziola in Lake Okeechobee



Support equipment



Specialized nozzles



Navigation system





Melaleuca

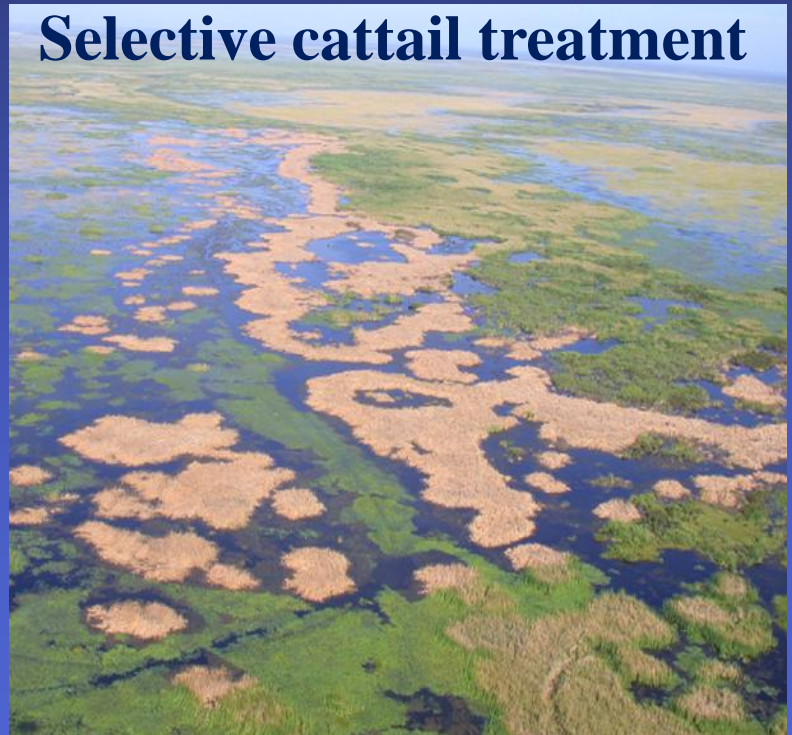


After treatment

Torpedograss Treatment



Selective cattail treatment



Past 5 years Expenditures

Aerial Application

FUNDING	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011*	Total
Ad Valorem	\$762,645	\$753,050	\$292,119	\$440,278	\$608,073	\$2,856,165
FWC Aquatic	\$1,536,845	\$1,242,616	\$1,278,865	\$607,500	\$627,660	\$5,293,486
FWC Terrestrial	\$1,218,185	\$633,548	\$295,446	\$172,100	\$108,400	\$2,427,679
Mitigation	\$372,290	\$195,650	\$100,562	\$46,550	\$76,110	\$791,162
STA	\$1,738,097	\$449,710	\$234,196	\$114,557	\$197,657	\$2,734,217
Other	\$82,715	\$119,475	\$227,285	\$489,265	\$154,449	\$1,073,189
Total	\$5,710,777	\$3,394,049	\$2,428,473	\$1,870,250	\$1,772,349	\$15,175,898

Resolution

32. 2011-812 A Resolution of the Governing Board of the South Florida Water Management District to authorize the official ranking of short-listed firms and entering into a three (3) year work order contract with two 2 one-year renewal options with Helicopter Applicators Inc., subject to successful negotiations, for Vegetation Management Aerial Application Services, in an amount not-to-exceed \$3,400,000 per year of which ad valorem and non-ad valorem funds in the combined amount of \$3,400,000 are subject to Governing Board approval of the FY12 budget and additional amounts not to exceed \$3,400,000 annually are subject to Governing Board approval of the FY13-FY16 budgets; providing that, if negotiations are unsuccessful with Helicopter Applicators Inc., the District will proceed with negotiations in ranked order until a contract has been successfully negotiated; providing an effective date. (Contract Number 4600002452)

Airboat spraying



Truck spraying



Subsurface application



Backpack application



Planting in the STAs



Ground crew treating melaleuca



Past 5 years Expenditures Ground Application

FUNDING	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011*	Total
Ad Valorem	\$3,866,655	\$2,136,928	\$2,374,363	\$3,162,549	\$3,096,874	\$14,637,369
FWC Aquatic	\$71,779	\$308,002	\$698,666	\$449,288	\$275,400	\$1,803,135
FWC Terrestrial	\$3,374,138	\$3,383,578	\$1,975,478	\$979,369	\$979,999	\$10,692,562
Mitigation	\$1,014,006	\$1,511,791	\$1,152,757	\$1,326,238	\$1,244,460	\$6,249,252
STA	\$1,753,253	\$1,097,227	\$1,366,444	\$2,160,105	\$2,067,543	\$8,444,572
Other	\$1,275,431	\$1,666,636	\$725,638	\$1,084,646	\$561,389	\$5,313,740
Total	\$11,355,262	\$10,104,162	\$8,293,346	\$9,162,195	\$8,225,665	\$47,140,630

Resolution

33. 2011- 313 A Resolution of the Governing Board of the South Florida Water Management District to authorize the official ranking of short-listed firms and entering into a three (3) year work order contract with two (2) one-year renewal options, subject to successful negotiations with **Applied Aquatic Management, Inc.**, one of four firms selected for Ground Application Services for Aquatic, Wetland and Terrestrial Vegetation Control throughout the District, in an amount not-to-exceed \$10,000,000 each year for all four contracts (4600002497, 4600002498, 4600002499 and 4600002500); of which ad valorem and non-ad valorem funds in the combined amount of \$10,000,000 are subject to Governing Board approval of the FY12 budget and additional amounts not to exceed \$10,000,000 annually are subject to Governing Board approval of the FY13-FY16 budgets; providing that if negotiations are unsuccessful with Applied Aquatic Management, Inc., the District will proceed in ranked order until a contract has been successfully negotiated; providing an effective date. (Contract Number 4600002497)

Resolution

34. 2011- 314 A Resolution of the Governing Board of the South Florida Water Management District to authorize the official ranking of short-listed firms and entering into a three (3) year work order contract with two (2) one-year renewal options, subject to successful negotiations with **Lake and Wetland Management, Inc.**, one of four firms selected for Ground Application Services for Aquatic, Wetland and Terrestrial Vegetation Control throughout the District, in an amount not-to-exceed \$10,000,000 each year for all four contracts (4600002497, 4600002498, 4600002499 and 4600002500); of which ad valorem and non-ad valorem funds in the combined amount of \$10,000,000 are subject to Governing Board approval of the FY12 budget and additional amounts not to exceed \$10,000,000 annually are subject to Governing Board approval of the FY13-FY16 budgets; providing that if negotiations are unsuccessful with Lake and Wetland Management, Inc., the District will proceed in ranked order until a contract has been successfully negotiated; providing an effective date. (Contract Number 4600002498)

Resolution

35. 2011- 315 A Resolution of the Governing Board of the South Florida Water Management District to authorize the official ranking of short-listed firms and entering into a three (3) year work order contract with two (2) one-year renewal options, subject to successful negotiations with **EarthBalance Corporation**, one of four firms selected for Ground Application Services for Aquatic, Wetland and Terrestrial Vegetation Control throughout the District, in an amount not-to-exceed \$10,000,000 each year for all four contracts (4600002497, 4600002498, 4600002499 and 4600002500); of which ad valorem and non-ad valorem funds in the combined amount of \$10,000,000 are subject to Governing Board approval of the FY12 budget and additional amounts not to exceed \$10,000,000 annually are subject to Governing Board approval of the FY13-FY16 budgets; providing that if negotiations are unsuccessful with EarthBalance Corporation, the District will proceed in ranked order until a contract has been successfully negotiated; providing an effective date. (Contract Number 4600002499)

Resolution

35. 2011- 316 A Resolution of the Governing Board of the South Florida Water Management District to authorize the official ranking of short-listed firms and entering into a three (3) year work order contract with two (2) one-year renewal options, subject to successful negotiations with **Florida Best Inc.** of Haines City, one of four firms selected for Ground Application Services for Aquatic, Wetland and Terrestrial Vegetation Control throughout the District, in an amount not-to-exceed \$10,000,000 each year for all four contracts (4600002497, 4600002498, 4600002499 and 4600002500); of which ad valorem and non-ad valorem funds in the combined amount of \$10,000,000 are subject to Governing Board approval of the FY12 budget and additional amounts not to exceed \$10,000,000 annually are subject to Governing Board approval of the FY13-FY16 budgets; providing that if negotiations are unsuccessful with Florida Best Inc. of Haines City, the District will proceed in ranked order until a contract has been successfully negotiated; providing an effective date. (Contract Number 4600002500)

Questions?

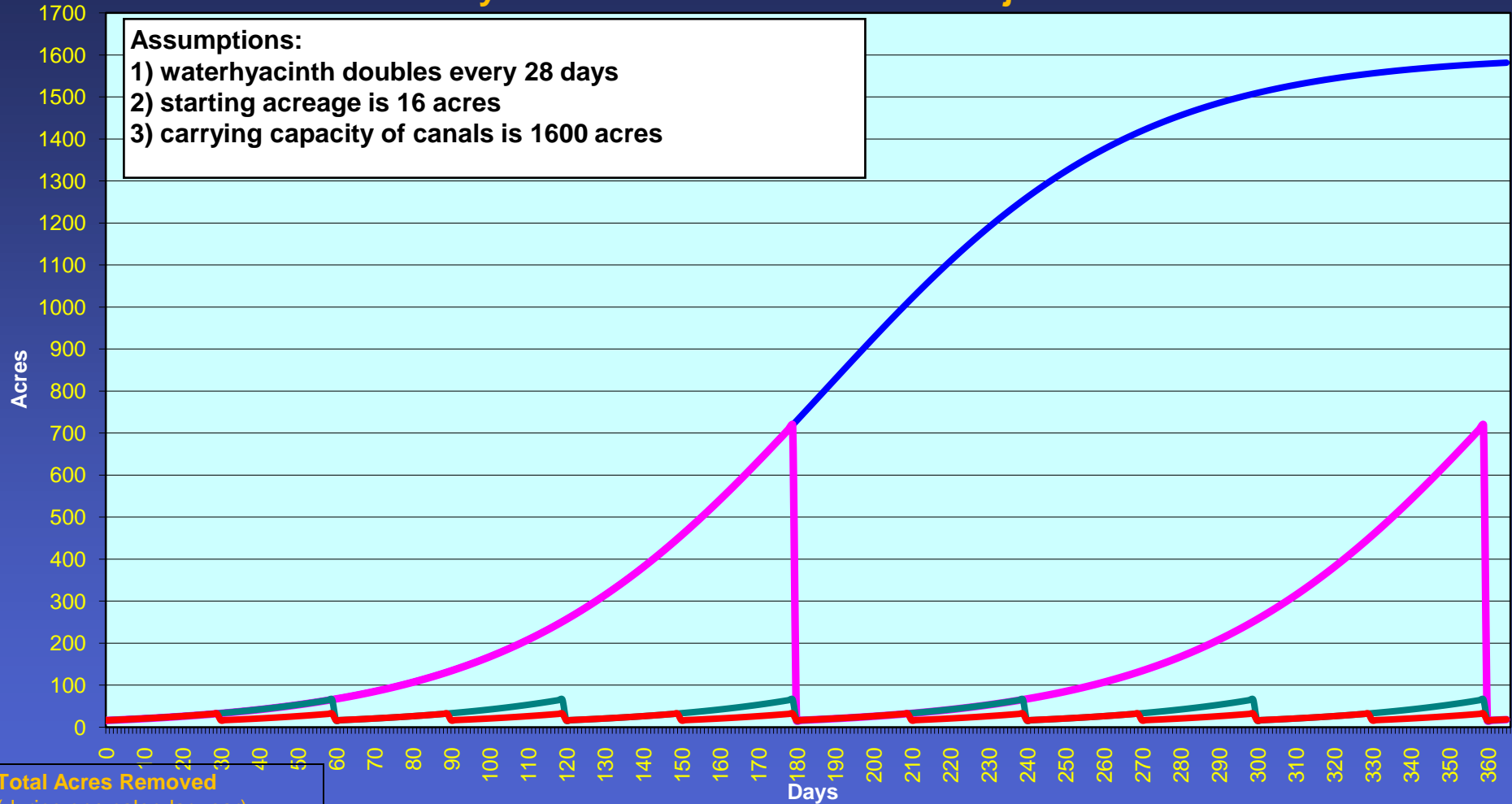


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Comparison of Treatment Schedules of Waterhyacinth in LNWR Canals and Adjacent Marsh

Assumptions:

- 1) waterhyacinth doubles every 28 days
- 2) starting acreage is 16 acres
- 3) carrying capacity of canals is 1600 acres



Total Acres Removed
(during one calendar year):

W/1 Treatment = **1600**
W/2 Treatments = **1406**
W/6 Treatments = **298**
W/12 Treatments = **194**

— Acres- without treatment

— Acres- with two treatments

— Acres- with six treatments

— Acres- with twelve treatments

5 – Year Justification

- Need consistency with contracts as the program is fully outsourced.
- District equipment requirements significant.
- Longer contractor commitment beneficial to offset start-up costs.
- New contractor learning curve at least 2 years.
- Multiple ground application contractors